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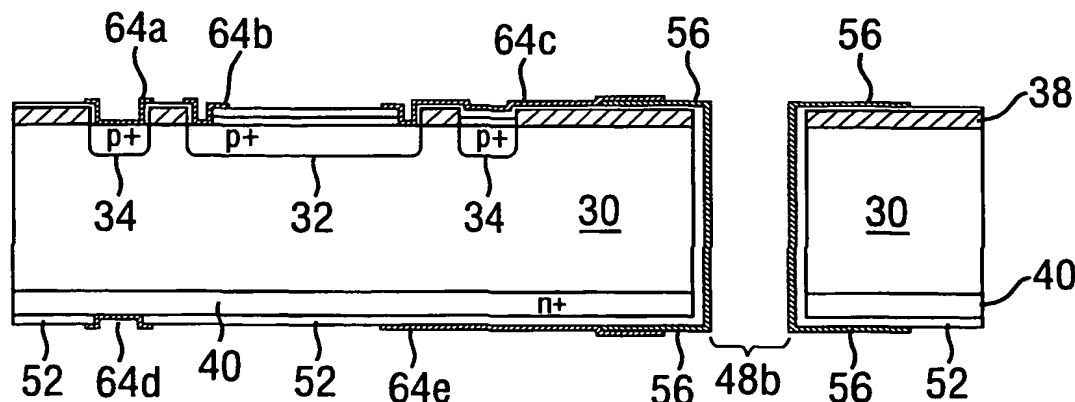
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(54) Title: SEMICONDUCTOR STRUCTURE FOR IMAGING DETECTORS



(57) Abstract: There is disclosed a photo-detector array including a plurality of sub-arrays of photo-detectors, the photo-detectors of each sub-array being formed on a substrate with an active area of each photo-detector being formed on a surface of the substrate, there further being formed for each photo-detector a conductive via through the substrate from an upper surface thereof to a lower surface thereof to connect the active area of each photo-detector to the lower surface of the substrate, wherein a plurality of said sub-arrays of photo-detectors are placed adjacent to each other in a matrix to form the photo-detector array. An imaging system comprising: a radiation detector including such a photo detector array, a radiation source facing the radiation detector, and means for controlling the radiation detector and the radiation source is also disclosed. A method for making such an array is also disclosed.